

Project Fact Sheet

CEC / SMUD Regen Project 4.2 Maximum Power Point

Tracker Inverter Development

GOAL

The goal of the project is the development of a low cost grid feeding inverter incorporating both maximum power point tracking functions and backup power capabilities. A second goal is the development of a remote dispatchability capability for renewable power systems. The dispatch capability will be demonstrated in field trials to verify the effectiveness of customer sited renewable power systems as an energy management tool.



PROJECT DESCRIPTION

Development and field testing of a PV inverter incorporating both maximum power point tracking and dispatchable energy storage functions.



BENEFITS TO CALIFORNIA

The outcome of the proposed project will be the availability of a low cost energy conversion unit that maximizes the value of renewable energy systems with energy storage. This product will better meet the needs of the California consumer and thereby accelerate the widespread adoption of renewable energy systems in the State. A secondary outcome will be the demonstration of the economic value of dispatchable energy storage functions in renewable energy systems.

FUNDING AMOUNT

Commission	\$708,900
Match	\$120,000
Total	\$828,900

PROJECT STATUS

Project is currently underway.

FOR MORE INFORMATION

Joseph McCabe
California Energy Commission
1516 Ninth Street, MS-43
Sacramento, CA 95814-5504
(916) 654-4412
jmccabe@energy.state.ca.us

John Berdner, President
SMA America, Inc.
20830 Red Dog Rd.
Grass Valley, CA 95945
530-274-7271
jberdner@sma.america.com

